



# DOCUMENT CHANGE REQUEST

DCR number	375	Changes required for:	General	Originator:	Steve Thacker - ESCC
Date:	2007/08/14	Date sent:	2007/08/14	Organisation:	ESA/ESTEC
Status:	IMPLEMENTED				

Title:	Resistor Arrays, Fixed, Surface Mount, Thin Film, based on Type PRA HR				
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Number:	4001/025	Issue:	2		
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Other documents affected:

Page:

See Below

Paragraph:

See Below

Original wording:

Proposed wording:

The following editorial changes are proposed to be incorporated throughout the specification to make this specification consistent with similar published ESCC4001/026 issue 1:

- use of standard terms, symbols, parameter units e.g.  
Reference by means of relevant "Variant number" (rather than just the applicable "style"); use of "components" (instead of "resistor array"); use of "UI" (instead of Ui) in Table 1(b) & 6; mW (instead of W) in Table 1(a)
- use of standard paragraph wording, table layout & content e.g.  
Para 1.2, Para 3, Table 1(a), Table 1(b), Figure 2; Para 4.2.2; Para 4.2.4; Para 4.2.5; Para 4.3.2; Para 4.3.3; Para 4.4.1, Para 4.4.2; Para4.5.5; Para 4.8, Table 3, Table 6
- Deletion of non-significant trailing zeros e.g  
Table 2, Para 4.5.2.3

.....  
Specific changes included that may be considered to have a technical impact and not be simple editorial changes are as follows:

Table 1(a) Note 3: Resistance values shall be defined as those with 3 significant figures (as opposed to "any value" without limitation)

Para 4.2.2(a) & Table 6: Delete Electrical Measurement at Room Temperature for level C prior to Overload during Final Production Testing(this is already covered by DCR366 which adds this test into the Vishay Appendix). Measurement of "Relative Tolerance" shall also be added prior to Overload in the Vishay Appendix.



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Para 4.2.2(b): Overload test duration shall be "2 sec minimum" (rather than just "2 sec")

Para 4.2.3(b): Delete requirement for Alumina to be used for TCR measurement (this is already covered by Generic spec 4001 Para 9.7 & 9.20)

Para 4.4.1 Delete "inorganic" (refer only to " ..a suitable coating")(to be consistent with other similar ESCC detail specs)

Para 4.4.3 Delete para on "Films" (visual inspection requirements are covered by relevant basic specs)

Para 4.5.2.4 Add reference to "absolute" temperature coefficient (for clarification purposes)

Table 3 - adjust the limits for delta-R/R to take into account the specified tolerance on temperature i.e.  
For TC 10ppm/C: limit is +/-0.08% (instead of +/-0.077%) & +/-0.136% (instead of +/-0.133%)

Table 3 Add reference to Note 2 to Relative Temperature Coefficient tests 5 & 6 (to clarify that sample testing applies)

Justification:

For clarification and consistency purposes and as above.

Attachments:

N/A

Modifications:

N/A

Approval signature:

Date signed:

2007-08-14